

Abstract of the Disclosure

METHOD AND APPARATUS FOR MIXING GASES

A method and apparatus for mixing a first stream of gas with a second stream of gas is provided. The method includes introducing a first stream of gas into a first stream manifold and directing the first stream from the first stream manifold into a mixing chamber via a plurality of first stream passages flow coupled to the mixing chamber. A second stream of gas is directed into the mixing chamber via at least one second stream passage flow coupled to a first end of the mixing chamber. A combined stream is formed from the first and second streams, gradually converged, and discharged from the mixing chamber through a mixing chamber exit port.